

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER 84-57

WASTE DISCHARGE REQUIREMENTS FOR:

DUFFY'S MYRTLEDALE INC.
CALISTOGA
NAPA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (herein called the Board) finds that:

1. Duffy's Myrtdale, Inc. (herein called the discharger) currently operates a state licensed alcohol rehabilitation facility at 3076 Myrtdale Road in the City of Calistoga.
2. The wastewater facility consists a) of a septic tank and leach field system which handles approximately 1000 gallons per day of wastewater from an eight bedroom dormitory and employee quarters (5 employees) and b) a wastewater management system which collects and treats wastewater generated from the facility's main building, guest cottage, and a five bedroom dormitory by a series of four septic tanks and then stores the effluent in a new 1.25 million gallon holding pond (pond #1). In dry months, the effluent from pond #1 will be disposed by evaporation in pond #2 and by spray irrigation to a four (4) acre field. The location of the ponds and spray irrigation field are shown in Attachment A, which is incorporated and made part of this Order. The Napa River is located a short distance south of the disposal system. The estimated daily flow will be 2600 gallons per day when the facility is fully utilized. The land application of effluent from the pond #2 will commence upon completion of the new disposal facilities.
3. The discharger has submitted a Report of Waste Discharge, dated September 15, 1983 and supporting technical reports dated November 28, 1983 and July 11, 1984. The latter reports include detailed water balances for the wastewater disposal system. The discharger's wastewater management system is capable of storing and disposing of a projected wastewater flow of 582,000 gallons per year, plus rainfall (10-year seasonal storm), while maintaining 2-feet of freeboard in holding pond #1.
4. The discharge is presently governed by Waste Discharge Requirements, Order No. 79-43.
5. The Regional Board adopted a revised Water Quality Control Plan for the San Francisco Bay Region (Basin Plan) on July 21, 1982. The Basin Plan contains water quality objectives for the Napa River and contiguous waters.
6. The beneficial uses of the Napa River are:
 - a. Navigation
 - b. Water contact recreation

- c. Agricultural water supply for watering, irrigation and frost protection
 - d. Fish migration and habitat
 - e. Preservation and enhancement of fish, wildlife and other aquatic resources
 - f. Commercial and sport fisheries
 - g. Esthetic enjoyment
7. This project involves the operation of a previously existing privately owned sewage treatment and disposal facility with negligible effects on the environment. Pursuant to Section 15101 of the California Administrative Code, the proposed use is exempt from the provisions of the California Environmental Quality Act (CEQA).
 8. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with the opportunity for a public hearing and an opportunity to submit their written views and recommendations.
 9. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that Duffy's Myrtdale, Inc., in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

A. Prohibitions

1. Overflow from the holding and evaporation ponds is prohibited. There shall be no bypass or overflow of waste to waters of the State from the collection, treatment, or pond system.
2. Discharge of wastewater to any land other than the ponds and the designated spray irrigation field referenced in Finding 2 is prohibited.
3. Wastewater ponding which could provide a breeding area for mosquitoes is prohibited.

B. Discharge Specifications

General:

1. Neither the treatment nor disposal of wastes shall create a nuisance or pollution as defined in the California Water Code.
2. The discharge of waste shall not degrade the quality of any ground water suitable for domestic use or cause an increase in any quality parameter that would make ground water unsuitable for irrigation use.
3. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.

Holding Pond (pond #1) and Evaporation Pond (pond #2):

4. The ponds shall be adequately protected from erosion, washout and flooding from a rain-

fall event having a predicted frequency of once in 100 years.

5. To prevent threat of overflows, a minimum freeboard of 2 feet shall be maintained in pond # 1 at all times.
6. The public shall be effectively excluded and notified of the presence of wastewater in the ponds.

C. Spray Disposal Restrictions:

1. The treatment and distribution of waste water shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. No waste shall be applied to any disposal areas during the wet weather season (November 1 through April 15).
3. Use of waste water shall be limited to the areas specified in Finding 2 of this Order unless written authorization is obtained from the Executive Officer.
4. No waste shall be allowed to escape from the discharger's property into waters of the State via surface flow, airborne spray or resurfacing after percolation.
5. Wastewater shall be applied to the spray irrigation area in a manner which will prevent public contact with the wastewater.
6. Areas irrigated with waste water shall be clearly identified with posted notices to the public.
7. Wastewater shall not be applied within 100 feet of any stream, well or housing facility.
8. Wastewater water shall not be used for irrigation of crops for human consumption.
9. Milking animals are prohibited from grazing on the areas irrigated with wastewater.
10. All equipment, including pumps, piping, valves, etc., which may at any time contain waste shall be adequately and clearly identified with warning signs, and the producer and users shall make all necessary provisions, in addition, to inform the public that the liquid contained is sewage and is unfit for human consumption.

D. Spray Disposal Quality Specifications:

1. The wastewater as discharged from the treatment and storage facilities to the spray irrigation areas shall be at all times an adequately treated wastewater, and shall meet the following quality limits at all times:

Settleable solids	0.5 ml/l-hr maximum
Dissolved oxygen	2.0 mg/l minimum

Dissolved sulfide	0.1 mg/l	maximum
pH	6.0	minimum
	9.0	maximum

2. The discharger shall discontinue spray disposal of wastewater during any period in which there is reason to believe the limits specified in D.1. are not being met.

E. Provisions:

1. The discharger shall comply with all Sections of this Order immediately upon adoption.
2. By October 1 of each year, the discharger shall submit a report to the satisfaction of the Executive Officer containing the depth of freeboard in each pond, and an assessment of the ability of the ponds to maintain the minimum freeboard in the ponds throughout the wet season with anticipated rains and waste inflow.
3. The discharger shall comply with a Self-Monitoring Program as ordered by the Executive Officer.
4. The Board will review this Order periodically and may revise the requirements when necessary.
5. When an approved public sanitary sewer is within 400 ft. of the ponds, the discharger shall submit a technical report to the satisfaction of the Executive Officer and time schedule describing how the ponds will be abandoned and connection made to the sanitary sewer.
6. In the event the discharger is unable to comply with any of the conditions of this Order due to:
 - (a) Breakdown of waste treatment equipment;
 - (b) Accidents caused by human error or negligence; or
 - (c) Other causes such as acts of nature,

the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.

7. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the discharger, the discharger shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to this Board.
8. The discharger shall permit the Board or its authorized representative in accordance

ceeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to this Board.

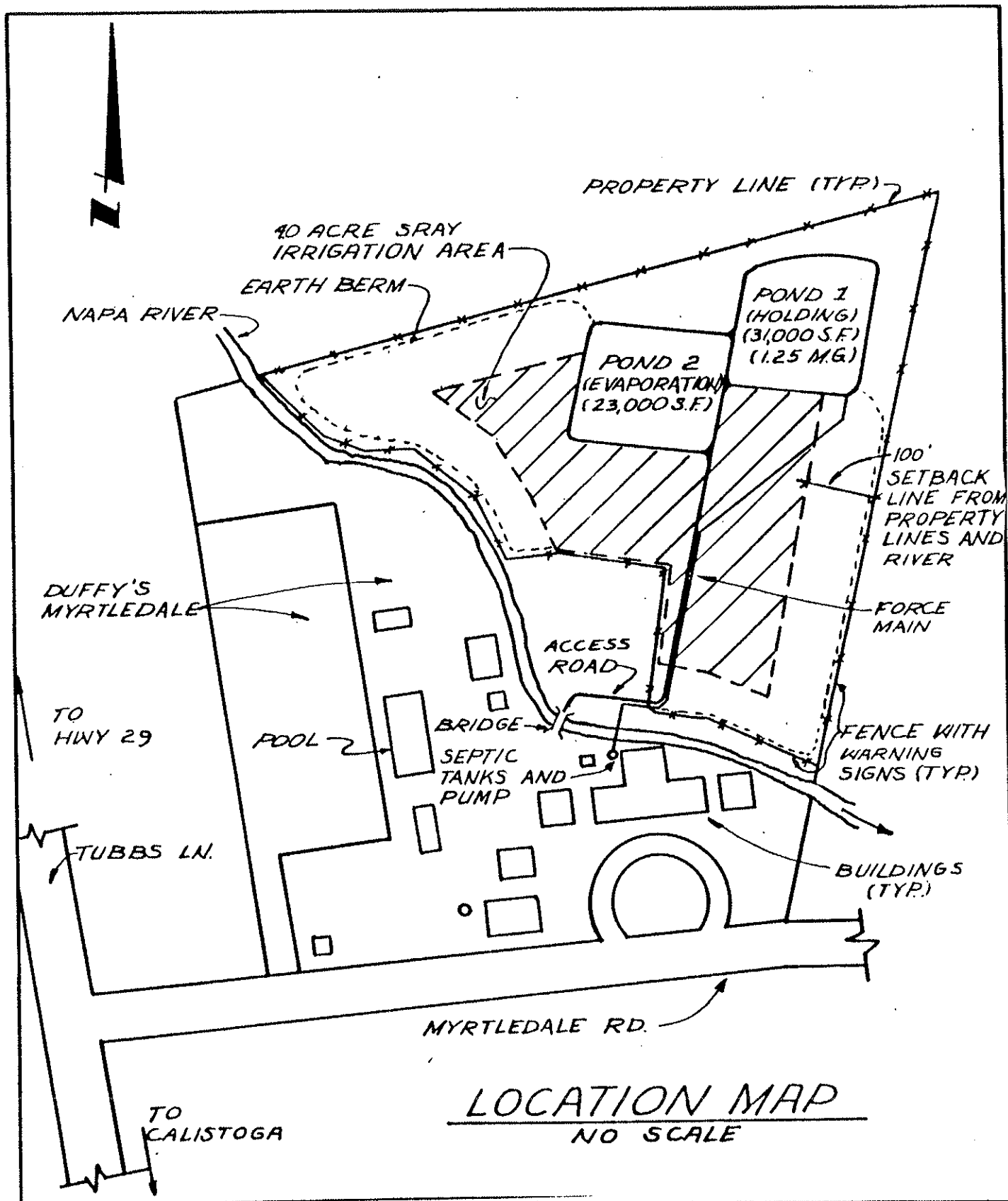
8. The discharger shall permit the Board or its authorized representative in accordance with California Water Code Section 13267(c):
 - a. Entry upon premises in which an effluent source is located or in which any required records are kept.
 - b. Access to copy any records required to be kept under terms and conditions of this Order.
 - c. Inspection of any monitoring equipment or method required by this Order.
 - d. Sampling of any stored or disposed wastewater.
9. The discharger shall file with the Board a report of waste discharge at least 120 before making any material change or proposed change in the character, location or volume of the discharge.
10. This Board's Order No. 79-43 is hereby rescinded.

I, Roger B. James, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on September 19, 1984.

ROGER B. JAMES
Executive Officer

DAVID

Attachment: Map
Self-Monitoring Program



STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

DUFFY MYRTLEDALE WASTEWATER MANAGEMENT
SYSTEM
CALISTOGA, NAPA.
ORDER NO. _____

DRAWN BY:

DATE: 7/84

DRWG. NO.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

T E N T A T I V E
SELF-MONITORING PROGRAM
FOR

DUFFYS MYRTLEDALE, INCORPORATED

CALISTOGA

NAPA COUNTY

ORDER NO. 84- 57

CONSISTS OF

PART A

PART A

I. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principal purposes of a monitoring program by a waste discharger, also referred to as a self-monitoring program, are:

1. To document compliance with waste discharge requirements and prohibitions established by the Regional Board.
2. To facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge.

II. DESCRIPTION OF SAMPLING STATIONS AND SCHEDULE OF SAMPLING, ANALYSIS AND OBSERVATIONS

A. Influent to Pond

Monthly, determine average daily flow in gallons per day.

B. Evaporation Ponds

At any point on the surface of each pond, representative of the wastewater:

1. Monthly, determine dissolved oxygen (D.O.) concentration, mg/l. If D.O. less than the 2.0 mg/l, then test for sample of Dissolved Sulfide.
2. Weekly, perform standard observation along perimeter of each pond:
 - a. Evidence of leaching liquid from area of confinement and estimated size of affected area. (Show affected area on sketch).
 - b. Odor: Presence or absence, characterization, source and distance of travel.
 - c. Estimated number of waterfowl and other water associated birds in the disposal area and vicinity.
 - d. Determine freeboard, in feet, for each pond.

III. REPORT TO BE FILED WITH THE REGIONAL BOARD

1. Violations of Requirements:

In the event the discharger is unable to comply with the conditions of the waste discharge requirements and prohibitions due to:

- (a) maintenance work, power failures, or breakdown waste treatment equipment, or
- (b) accidents caused by human error or negligence or,
- (c) other causes such as acts of nature,

the discharger shall notify the Regional Board office by telephone at (415) 464-1255 as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written report shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to prevent the problem from recurring.

In addition, if non-compliance caused by items (a), (b) or (c), above is with respect to any of the effluent limits, the waste discharger shall promptly accelerate his monitoring program to analyze the discharge at least once every day for those constituents which have been violated. Such daily analyses shall continue until such time as the effluent limits have been attained, or until such time as the Executive Officer determines to be appropriate. The results of such monitoring shall be included in the regular Self-Monitoring Reports.

Bypass Reports

2. Bypass reporting shall be an integral part of regular monitoring program reporting and a report on bypassing of untreated waste or bypassing of any ponded water shall be made which will include cause, time and date, duration and estimated volume of waste bypassed, method used in eliminating volume, and persons (including Marin County Health) notified, for planned and/or unplanned bypasses. Notification to the Regional Board shall be made immediately by phone, followed by written correspondence within 15 days if a bypass occurs.

The discharger shall file a written technical report at least 15 days prior to advertising for bid on any construction project which would cause or aggravate the discharge of waste in violation of requirements; said report shall describe the nature, costs, and scheduling of all action necessary to preclude such discharge. In no case should any discharge of sewage-bearing wastes be permitted without at least primary treatment.

3. Self-Monitoring Reports

Written reports shall be filed regularly for each calendar quarter and submitted by the fifteenth day of the following month. The reports shall be comprised of the following:

a. Letter of Transmittal:

A letter transmitting self-monitoring reports should accompany each report. Such a letter shall include a discussion of requirement violations found during the past month and actions taken or planned for correcting violations. If the discharger has previously submitted a detailed time schedule for correcting requirement violations, a reference to the correspondence transmitting such schedule will be satisfactory. Monitoring reports and the letter transmitting reports shall be signed either by a principal executive officer, ranking elected official, or other duly authorized employee. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true and correct.

b. Data Results

All results observed or analysed in II.A. and II.B.

I, Roger B. James, Executive Officer, do hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 84-57.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger, and revisions will be ordered by the Executive Officer.

ROGER B. JAMES
Executive Officer

Effective Date September 21, 1984